

FIG 1

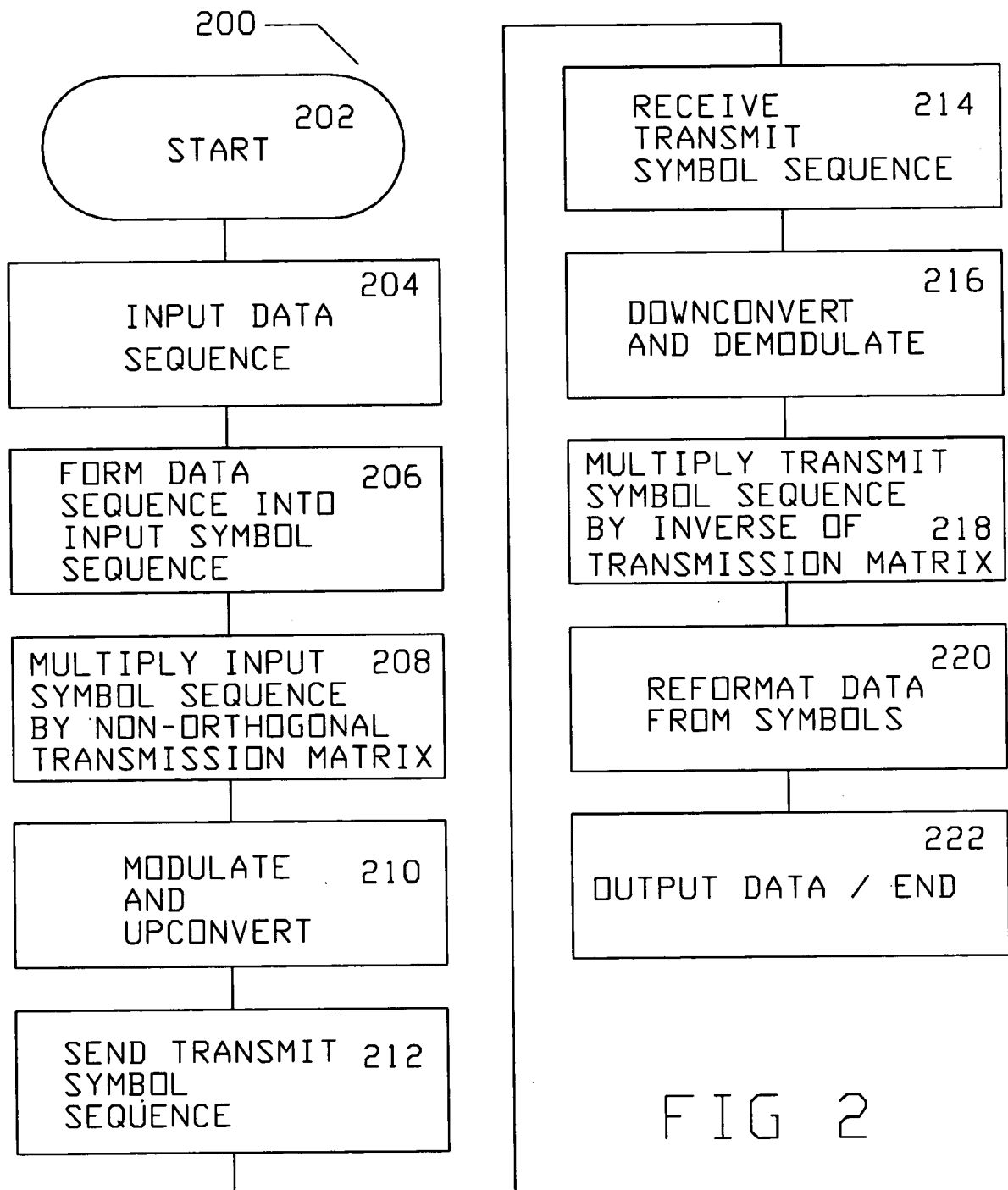


FIG 2

300

$E = [0 \ 1 \ 0 \ -1 \ 0]$ 302 < INPUT SYMBOL SEQUENCE

$C = \begin{bmatrix} 1 & 2 & 3 & 4 & 5 & 1 \\ -5 & -4 & -3 & -2 & -1 & 4 \\ 3 & 2 & -3 & -1 & -2 & -3 \\ 3 & -4 & -2 & 2 & 1 & 2 \\ 3 & -4 & 5 & 2 & 1 & -3 \end{bmatrix}$ 304 < 2 DIMENSIONAL
TRANSMISSION MATRIX

$F = E \cdot C = [-8 \ 0 \ -1 \ -4 \ -2 \ 2]$ 306 < TRANSMIT SYMBOL
SEQUENCE

$F5 = [-8 \ 0 \ -1 \ -4 \ 2]$ 308 < RECEIVED SYMBOL
SEQUENCE WITH CORRUPT
TERM REMOVED

$C5 = \begin{bmatrix} 1 & 2 & 3 & 4 & 1 \\ -5 & -4 & -3 & -2 & 4 \\ 3 & 2 & -3 & -1 & -3 \\ 3 & -4 & -2 & 2 & 2 \\ 3 & -4 & 5 & 2 & -3 \end{bmatrix}$ 310 < TRANSMISSION MATRIX
WITH CORRUPT ROW
REMOVED

$K5 = \begin{bmatrix} -.3528 & -.4410 & -.3658 & .2529 & -.1712 \\ -.0110 & -.1388 & -.0739 & -.0233 & -.1304 \\ -.2335 & -.2918 & -.3891 & .0350 & -.0545 \\ .6005 & .5006 & .5564 & -.1401 & .2179 \\ -.3268 & -.4086 & -.5447 & .2490 & -.2763 \end{bmatrix}$ 312 < INVERSE
OF C5 IS A
RECOVERY
MATRIX

$G = F5 \cdot K5 = [0 \ 1 \ 0 \ -1 \ 0]$ 314 < OUTPUT SYMBOL
SEQUENCE

FIG 3

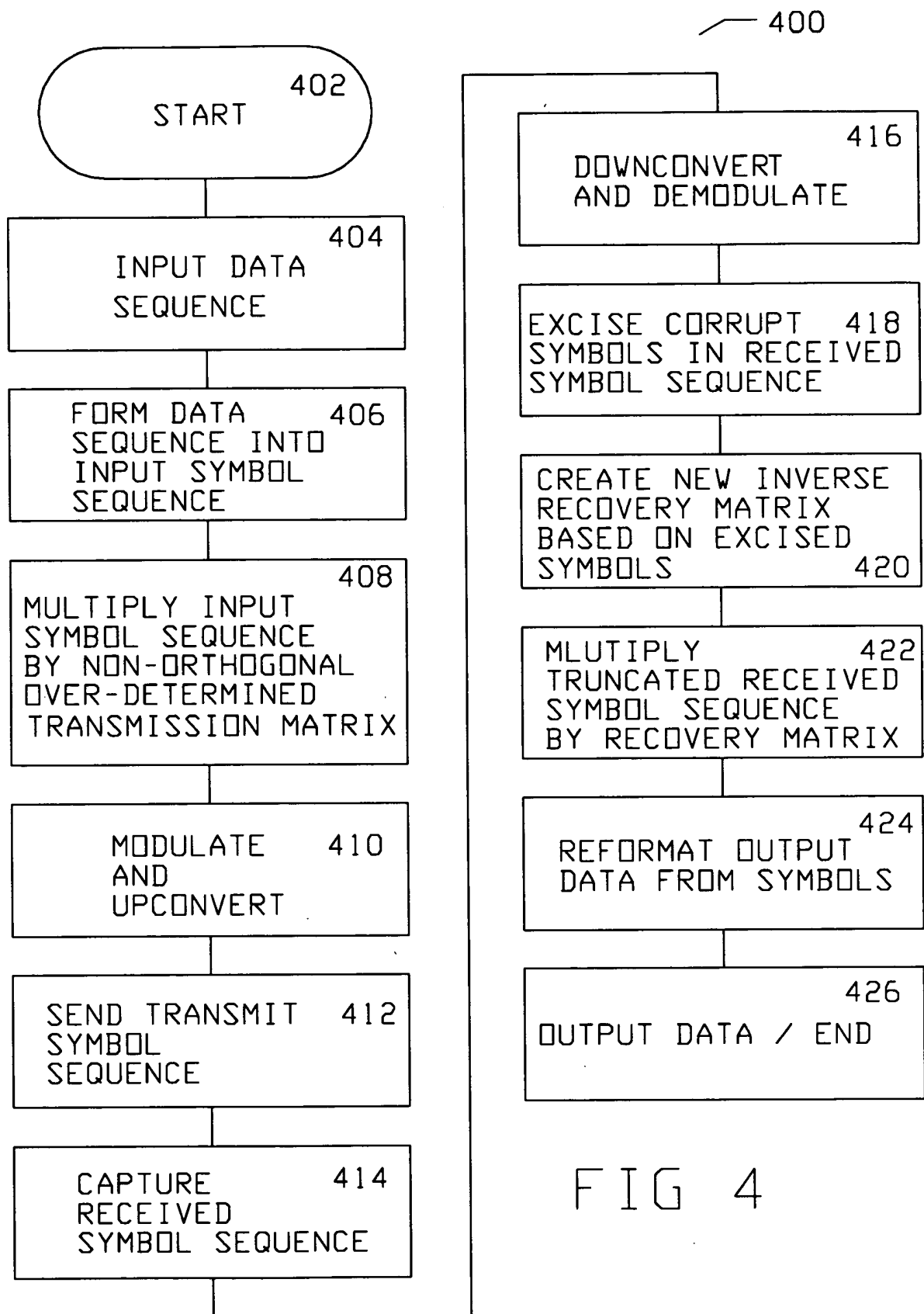


FIG 4

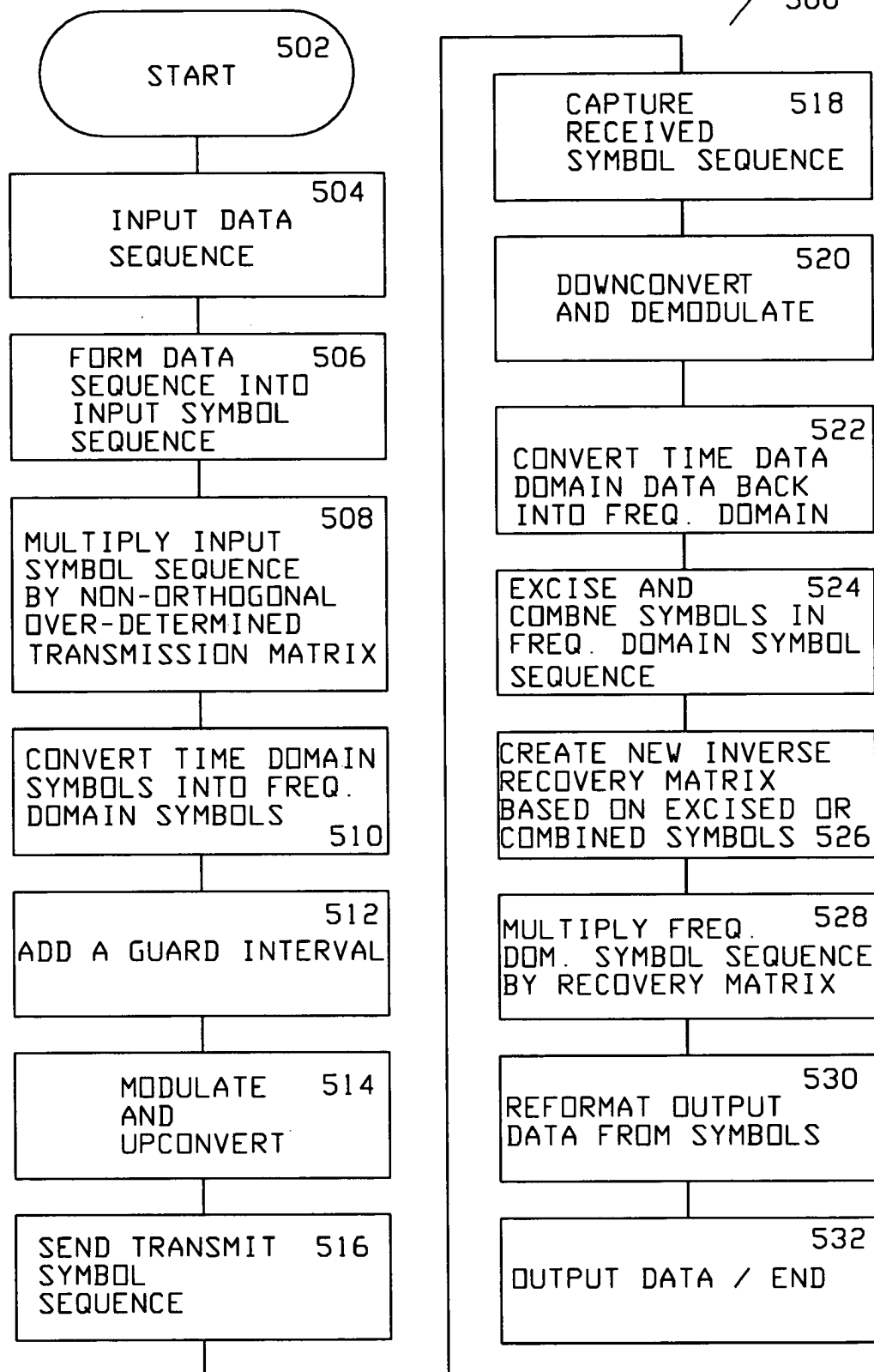


FIG 5